

## SEQUENTIAL HIGH THROUGHPUT SCREENING METHOD AND SYSTEM

### ABSTRACT OF THE DISCLOSURE

5 A method and system for high-throughput screening of multiphase reactions are provided. In an exemplary embodiment the method includes the steps of sequentially loading a plurality of discrete combinations of reactants into a longitudinal reaction zone; reacting each of the combinations as it passes through the reaction zone to provide a continuously or an incrementally varying reaction product; and sequentially discharging the reaction product of each of combination from the reaction zone as reaction of each combination is completed.